

Controller recirculation hot air for destratification fans



Controller recirculation hot air 03.431

The device records the temperature difference between the floor and the ceiling with two temperature sensors and compares this with user given values.

If the temperature difference between floor and the ceiling goes higher than the user value, the relay switches the ceiling fans on. There is second user value which handles the switch off point. The relay switching contact can handle for example up to 10 fans 03.210 (extendable with a contactor).

The current temperatures of the ceiling and the floor are constantly shown in an alternating display. The two sensors are checked and monitored via display for convenient installation and performance check.

Technical data

| | |
|-----------------------------------|---|
| Product no. | 03.431 |
| Permissible ambient temperature | 0° C to +45° C |
| Switch off temperature difference | liniar 1 K bis 10 K |
| Switching distance | liniar 1 K bis 10 K |
| Temperature measurement range | -20° C to +120° C |
| Operating voltage | 230 V / 50 Hz |
| Contact | 1 changer, relay contact, not potential-free |
| Max. permissible current | 4 A motor power, 230 V / 50 Hz |
| Operating life as VDE 0631 | min. 2 x 10 ⁵ switching operations |
| Housing Fastening | Surface mounted |
| Material | Plastic |
| IP protection | IP 54 according to DIN 40050 |
| Protection class | Protection class II as VDE 0700 (protective insulation) |
| Weight | app. 380 g |
| Sensor Type | KTY 10-5, semiconductor sensor +- 1 % |
| Design | Plastic housing IP 54, without cable |
| Cable connection | 2-conductor cable 0,5 mm ² till 30 m; 0,75 mm ² till 45 m |
| Subject to alteration | |

Connection diagram / dimensions

